

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/534,579
Source: IFWP
Date Processed by STIC: 7/13/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

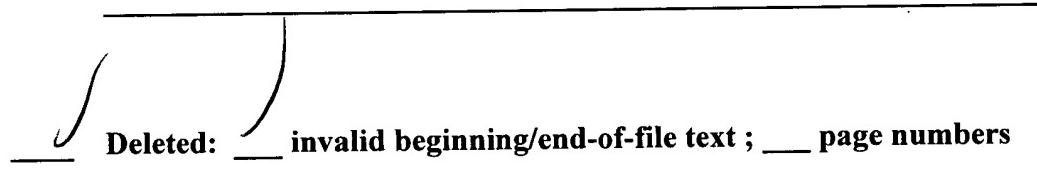
Serial Number: 10/534,579

CRF Edit Date: 7/13/06
Edited by: JL

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:


Deleted: _____ invalid beginning/end-of-file text ; _____ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/13/2006
TIME: 09:11:02

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07132006\J534579.raw

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1 <110> APPLICANT: INCYTE CORPORATION; Jiang, Xin;
2      Becha, Shanya D.; BULLOCH, Sean A.;
3      CHANG, Hsin-Ru; CHAWLA, Narinder K.;
4      ELLIOTT, Vicki S.; EMERLING, Brooke M.;
5      GIETZEN, Kimberly J.; HAFALIA, April J.A. ;
6      JACKSON, Alan A.; KABLE, Amy E. ;
7      KHARE, Reena; LEE, Soo Yeun;
8      MARQUIS, Joseph P.; MURAGE, Jaji;
9      SWARNAKAR, Anita; YANG, Yonghong G.
11 <120> TITLE OF INVENTION: LIPID-ASSOCIATED MOLECULES
13 <130> FILE REFERENCE: PF-1618 PCT
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/534,579
C--> 16 <141> CURRENT FILING DATE: 2005-05-11
18 <150> PRIOR APPLICATION NUMBER: US 60/426,105
19 <151> PRIOR FILING DATE: 2002-11-13
21 <150> PRIOR APPLICATION NUMBER: US 60/433,215
22 <151> PRIOR FILING DATE: 2002-12-12
24 <150> PRIOR APPLICATION NUMBER: US 60/453,127
25 <151> PRIOR FILING DATE: 2003-03-07
27 <150> PRIOR APPLICATION NUMBER: US 60/454,801
28 <151> PRIOR FILING DATE: 2003-03-13
30 <150> PRIOR APPLICATION NUMBER: US 60/465,619
31 <151> PRIOR FILING DATE: 2003-04-24
33 <150> PRIOR APPLICATION NUMBER: US 60/465,495
34 <151> PRIOR FILING DATE: 2003-04-24
36 <150> PRIOR APPLICATION NUMBER: US 60/491,800
37 <151> PRIOR FILING DATE: 2003-08-01
39 <160> NUMBER OF SEQ ID NOS: 42
40 <170> SOFTWARE: PERL Program
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48 <221> NAME/KEY: misc_feature
49 <223> OTHER INFORMATION: Incyte ID No: 7511098CD1
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54 Gly Thr Ala Trp Ala Arg Arg Ser Gln Asp Leu His Cys Gly Ala
55           20          25          30
56 Cys Arg Ala Leu Val Asp Glu Leu Glu Trp Glu Ile Ala Gln Val
57           35          40          45

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/13/2006
TIME: 09:11:02

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07132006\J534579.raw

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59                      50                  55          60
60 Asp Gly Ser Gln Ser Val Val Glu Cys Glu Ser Ile Val Glu Glu
61                      65                  70          75
62 Tyr Glu Asp Glu Leu Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn
63                      80                  85          90
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69                      110
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74 <213> ORGANISM: Homo sapiens
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77 <221> NAME/KEY: misc_feature
78 <223> OTHER INFORMATION: Incyte ID No: 7522037CD1
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84           20          25          30
85 Met Pro Ser Pro Thr Phe Leu Thr Gln Val Lys Glu Ser Leu Ser
86           35          40          45
87 Ser Tyr Trp Glu Ser Ala Lys Thr Ala Ala Gln Asn Leu Asp Leu
88           50          55          60
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100 <221> NAME/KEY: misc_feature
101 <223> OTHER INFORMATION: Incyte ID No: 7524271CD1
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107           20          25          30
108 Ala Cys Ala Gln Gly Pro Glu Phe Trp Cys Gln Ser Leu Glu Gln
109           35          40          45
110 Ala Leu Gln Cys Arg Ala Leu Gly His Cys Leu Gln Glu Val Trp
111           50          55          60
112 Gly His Val Gly Ala Asp Leu Ser Glu Gln Gln Phe Pro Ile Pro
113           65          70          75
114 Leu Pro Tyr Cys Trp Leu Cys Arg Ala Leu Ile Lys Arg Ile Gln

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/13/2006
TIME: 09:11:02

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07132006\J534579.raw

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117	95	100	105
118	Cys Arg Val Val Pro Leu Val Ala Gly Gly Ile Cys Gln Cys Leu		
119	110	115	120
120	Ala Glu Arg Tyr Ser Val Ile Leu Leu Asp Thr Leu Leu Gly Arg		
121	125	130	135
122	Met Leu Pro Gln Leu Val Cys Arg Leu Val Leu Arg Cys Ser Met		
123	140	145	150
124	Asp Asp Ser Ala Gly Pro Arg Glu Trp Leu Pro Arg Asp Ser Glu		
125	155	160	165
126	Cys His Leu Cys Met Ser Val Thr Thr Gln Ala Gly Asn Ser Ser		
127	170	175	180
128	Glu Gln Ala Ile Pro Gln Ala Met Leu Gln Ala Cys Val Gly Ser		
131	185	190	195
132	Trp Leu Asp Arg Glu Lys Cys Lys Gln Phe Val Glu Gln His Thr		
133	200	205	210
134	Pro Gln Leu Leu Thr Leu Val Pro Arg Gly Trp Asp Ala His Thr		
135	215	220	225
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155	Val Gly Thr Val Met Thr Leu Phe Tyr Ser Lys Lys Ser Gln Arg		
156	35 40 45		
157	Pro Glu Arg Lys Thr Phe Gln Val Lys Leu Glu Thr Arg Gln Ile		
158	50 55 60		
159	Thr Trp Ser Arg Gly Ala Asp Lys Ile Glu Gly Ala Ile Asp Ile		
160	65 70 75		
161	Arg Glu Ile Lys Glu Ile Arg Pro Gly Lys Thr Ser Arg Asp Phe		
162	80 85 90		
163	Asp Arg Tyr Gln Glu Asp Pro Ala Phe Arg Pro Asp Gln Ser His		
164	95 100 105		
165	Cys Phe Val Ile Leu Tyr Gly Met Glu Phe Arg Leu Lys Thr Leu		
166	110 115 120		
167	Ser Leu Gln Ala Thr Ser Glu Asp Glu Val Asn Met Trp Ile Lys		
168	125 130 135		

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/13/2006
TIME: 09:11:02

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07132006\J534579.raw

169 Gly Leu Thr Trp Leu Met Glu Asp Thr Leu Gln Ala Pro Thr Pro
 170 140 145 150
 171 Leu Gln Ile Glu Arg Trp Leu Arg Lys Gln Phe Tyr Ser Val Asp
 172 155 160 165
 173 Arg Asn Arg Glu Asp Arg Ile Ser Ala Lys Asp Leu Lys Asn Met
 174 170 175 180
 175 Leu Ser Gln Val Asn Tyr Arg Val Pro Asn Met Arg Phe Leu Arg
 176 185 190 195
 177 Glu Arg Leu Thr Asp Leu Glu Gln Arg Ser Gly Asp Ile Thr Tyr
 178 200 205 210
 179 Gly Gln Phe Ala Gln Leu Tyr Arg Ser Leu Met Tyr Ser Ala Gln
 180 215 220 225
 181 Lys Thr Met Asp Leu Pro Phe Leu Glu Ala Ser Thr Leu Arg Ala
 182 230 235 240
 183 Gly Glu Arg Pro Glu Leu Cys Arg Val Ser Leu Pro Glu Phe Gln
 184 245 250 255
 185 Gln Phe Leu Leu Asp Tyr Gln Gly Glu Leu Trp Ala Val Asp Arg
 186 260 265 270
 187 Leu Gln Val Gln Glu Phe Met Leu Ser Phe Leu Arg Asp Pro Leu
 188 275 280 285
 189 Arg Glu Ile Glu Glu Pro Tyr Phe Phe Leu Asp Glu Phe Val Thr
 190 290 295 300
 191 Phe Leu Phe Ser Lys Glu Asn Ser Val Trp Asn Ser Gln Leu Asp
 192 305 310 315
 193 Ala Val Cys Pro Asp Thr Met Asn Asn Pro Leu Ser His Tyr Trp
 194 320 325 330
 195 Ile Ser Ser Ser His Asn Thr Tyr Leu Thr Gly Asp Gln Phe Ser
 196 335 340 345
 197 Ser Glu Ser Ser Leu Glu Ala Tyr Ala Arg Cys Leu Arg Met Gly
 198 350 355 360
 199 Cys Arg Cys Ile Glu Leu Asp Cys Trp Asp Gly Pro Asp Gly Met
 200 365 370 375
 201 Pro Val Ile Tyr His Gly His Thr Leu Thr Thr Lys Ile Lys Phe
 202 380 385 390
 203 Ser Asp Val Leu His Thr Ile Lys Glu His Ala Phe Val Ala Ser
 204 395 400 405
 205 Glu Tyr Pro Val Ile Leu Ser Ile Glu Asp His Cys Ser Ile Ala
 206 410 415 420
 207 Gln Gln Arg Asn Met Ala Gln Tyr Phe Lys Lys Val Leu Gly Asp
 208 425 430 435
 209 Thr Leu Leu Thr Lys Pro Val Glu Ile Ser Ala Asp Gly Leu Pro
 210 440 445 450
 211 Ser Pro Asn Gln Leu Lys Arg Lys Ile Leu Ile Lys His Lys Lys
 212 455 460 465
 213 Leu Ala Glu Gly Ser Ala Tyr Glu Glu Val Pro Thr Ser Met Met
 214 470 475 480
 215 Tyr Ser Glu Asn Asp Ile Ser Asn Ser Ile Lys Asn Gly Ile Leu
 216 485 490 495
 217 Tyr Leu Glu Asp Pro Val Asn His Glu Trp Tyr Pro His Tyr Phe
 218
 219

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/13/2006
TIME: 09:11:02

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07132006\J534579.raw

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221	Val Leu Thr Ser	Ser Lys Ile Tyr Tyr	Ser Glu Glu Thr Ser Ser
222	515	520	525
223	Asp Gln Gly Asn	Glu Asp Glu Glu	Pro Lys Glu Val Ser Ser
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225	Ser Thr Glu Leu	His Ser Asn Glu Lys	Trp Phe His Gly Lys Leu
226	545	550	555
227	Gly Ala Gly Arg	Asp Gly Arg His Ile	Ala Glu Arg Leu Leu Thr
228	560	565	570
229	Glu Tyr Cys Ile	Glu Thr Gly Ala Pro	Asp Gly Ser Phe Leu Val
230	575	580	585
231	Arg Glu Ser Glu	Thr Phe Val Gly Asp	Tyr Thr Leu Ser Phe Trp
232	590	595	600
233	Arg Asn Gly Lys	Val Gln His Cys Arg	Ile His Ser Arg Gln Asp
234	605	610	615
235	Ala Gly Thr Pro	Lys Phe Phe Leu Thr	Asp Asn Leu Val Phe Asp
236	620	625	630
237	Ser Leu Tyr Asp	Leu Ile Thr His Tyr	Gln Gln Val Pro Leu Arg
238	635	640	645
239	Cys Asn Glu Phe	Glu Met Arg Leu Ser	Glu Pro Val Pro Gln Thr
240	650	655	660
241	Asn Ala His Glu	Ser Lys Glu Trp Tyr	His Ala Ser Leu Thr Arg
242	665	670	675
243	Ala Gln Ala Glu	His Met Leu Met Arg	Val Pro Arg Asp Gly Ala
244	680	685	690
245	Phe Leu Val Arg	Lys Arg Asn Glu Pro	Asn Ser Tyr Ala Ile Ser
246	695	700	705
247	Phe Arg Ala Glu	Gly Lys Ile Lys His	Cys Arg Val Gln Gln Glu
248	710	715	720
249	Gly Gln Thr Val	Met Leu Gly Asn Ser	Glu Phe Asp Ser Leu Val
250	725	730	735
251	Asp Leu Ile Ser	Tyr Tyr Glu Lys His	Pro Leu Tyr Arg Lys Met
252	740	745	750
253	Lys Leu Arg Tyr	Pro Ile Asn Glu Glu	Ala Leu Glu Lys Ile Gly
254	755	760	765
255	Thr Ala Glu Pro	Asp Tyr Gly Ala Leu	Tyr Glu Gly Arg Asn Pro
256	770	775	780
257	Gly Phe Tyr Val	Glu Ala Asn Pro Met	Pro Thr Phe Lys Cys Ala
258	785	790	795
261	Val Lys Ala Leu	Phe Asp Tyr Lys Ala	Gln Arg Glu Asp Glu Leu
262	800	805	810
263	Thr Phe Ile Lys	Ser Ala Ile Ile Gln	Asn Val Glu Lys Gln Glu
264	815	820	825
265	Gly Gly Trp Trp	Arg Gly Asp Tyr Gly	Gly Lys Lys Gln Leu Trp
266	830	835	840
267	Phe Pro Ser Asn	Tyr Val Glu Glu Met	Val Asn Pro Val Ala Leu
268	845	850	855
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270	860	865	870

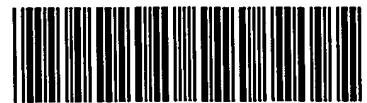
VERIFICATION SUMMARY
PATENT APPLICATION: US/10/534,579

DATE: 07/13/2006
TIME: 09:11:03

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07132006\J534579.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/11/2006
TIME: 10:54:19

Input Set : A:\PTO.SS.txt
Output Set: N:\CRF4\07112006\J534579.raw

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1 <110> APPLICANT: INCYTE CORPORATION; Jiang, Xin;
2 Becha, Shanya D.; BULLOCH, Sean A.;
3 CHANG, Hsin-Ru; CHAWLA, Narinder K.;
4 ELLIOTT, Vicki S.; EMERLING, Brooke M. ;
5 GIETZEN, Kimberly J.; HAFALIA, April J.A. ;
6 JACKSON, Alan A.; KABLE, Amy E. ;
7 KHARE, Reena; LEE, Soo Yeun;
8 MARQUIS, Joseph P.; MURAGE, Jaji;
9 SWARNAKAR, Anita; YANG, Yonghong G.
11 <120> TITLE OF INVENTION: LIPID-ASSOCIATED MOLECULES
13 <130> FILE REFERENCE: PF-1618 PCT
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/534,579
C--> 16 <141> CURRENT FILING DATE: 2005-05-11
18 <150> PRIOR APPLICATION NUMBER: US 60/426,105
19 <151> PRIOR FILING DATE: 2002-11-13
21 <150> PRIOR APPLICATION NUMBER: US 60/433,215
22 <151> PRIOR FILING DATE: 2002-12-12
24 <150> PRIOR APPLICATION NUMBER: US 60/453,127
25 <151> PRIOR FILING DATE: 2003-03-07
27 <150> PRIOR APPLICATION NUMBER: US 60/454,801
28 <151> PRIOR FILING DATE: 2003-03-13
30 <150> PRIOR APPLICATION NUMBER: US 60/465,619
31 <151> PRIOR FILING DATE: 2003-04-24
33 <150> PRIOR APPLICATION NUMBER: US 60/465,495
34 <151> PRIOR FILING DATE: 2003-04-24
36 <150> PRIOR APPLICATION NUMBER: US 60/491,800
37 <151> PRIOR FILING DATE: 2003-08-01
39 <160> NUMBER OF SEQ ID NOS: 42
40 <170> SOFTWARE: PERL Program

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*Does Not Comply
Corrected Diskette Needed*

ERRORED SEQUENCES

2711 <210> SEQ ID NO: 42
 2712 <211> LENGTH: 3814
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 2714 <213> ORGANISM: Homo sapiens
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R3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/11/2006
TIME: 10:54:19

Input Set : A:\PTO.SS.txt
Output Set: N:\CRF4\07112006\J534579.raw

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2726 tgagtttggc ttctttctga catggagaag tgaaggcaag gaaggacagg tgctagaatg 360
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2732 taagcaatgg gttagaaggcc tgagatcaat catacacaac ttccaggcca acaacgtcag 600
2733 tccaatgaca tgcctcaaga aacactggat gaaattggca tttatgacca acacaaatgg 660
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2736 agcattttct tatgaaaatg tctatgaact gacacaaaag atttgccttc ggacagatata 840
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2746 tcctgtatatt ctccctttt gaaatcaactg cagcaaatat caacagtaca agatgtccaa 1440
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2767 atatgtgcct gatggatttgc gagatatcgat ggtatgttca tcagatccaa agaaatttct 2700
2768 ctcaattaca gaaaagagag cagaccaat gagatcgat ggcattgaaa ctatgtacat 2760
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2770 agcaaatgtg acccctcaga gtagcttgc gtcagacca accaccacgg ctggccctggc 2880
2771 ctctgggtgtg gaagccaaaga aaggtattga atttgcctt caagtaagga tagaagactt 2940
2772 aaagcagatg aaggttact tgaagcattt aaagaaacag cagaaggagc taaaattctt 3000
2773 aaagaagaaa catgcaaaagg aacacagtac catgcagaag ttacactgca cgcaagttga 3060

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,579

DATE: 07/11/2006
TIME: 10:54:19

Input Set : A:\PTO.SS.txt
Output Set: N:\CRF4\07112006\J534579.raw

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2777 ctaagatttc tatggaaaat agcaaagcca tcagccaaga taaatctatc aagaataaaag 3300
2778 cagaacggga aaggcgagtc agggagttaa acagcagcaa cactaaaaag tttcttggaaag 3360
2779 aaagaaagag acttgccatg aagcagtcca aagaaatgga tcagttgaaa aaagtccagc 3420
2780 ttgaacatct agaattccta gagaaacaga atgagcagct tttgaaatcc tgtcatgcag 3480
2781 tgtcccaaac gcaaggcgaa ggagatgcag cagatggtga aattgaaagc cgagatggac 3540
2782 cgcagaccag caacagtatg atgaaactcc aaaatgc当地 ctgaagcagc aaacccacaa 3600
2783 agcatcaaaa gactcactca caaacttctg aacacaaact ccatggatga aagctgttta 3660
2784 ttttgtttcc tttatgtgta aacaagatga tatctgaaac cagagagact tggaaatgtct 3720
2785 gactgacttc tatttaacag cttgaggatt gcatttcctt ggccaaacaa aatagctaca 3780
2786 aatccacaaa aataaaccgg ttccagcaca ctga 3814

E--> 2789 PF-1618 PCT

E--> 2795 1?2

VERIFICATION SUMMARY DATE: 07/11/2006
PATENT APPLICATION: US/10/534,579 TIME: 10:54:20

Input Set : A:\PTO.SS.txt
Output Set: N:\CRF4\07112006\J534579.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2789 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:2
L:2795 M:254 E: No. of Bases conflict, LENGTH:Input:2 Counted:3815 SEQ:42
L:2795 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:2795 M:252 E: No. of Seq. differs, <211> LENGTH:Input:3814 Found:3815 SEQ:42